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ABSTRACT OF THE DISCLOSURE

To permit the more cost-effective use of low voltage lamps (especially 12 Volt Halogen lamps) in track lighting systems, the power track is supplied from the power line by way of a frequency-converting power supply providing onto the track conductors a voltage of normal power line voltage magnitude (120 Volt RMS) but of an exceptionally high frequency (30 kHz). As a result, the individual step-down voltage transformer required to provide the proper low voltage for operating each of the low voltage lamps becomes very light, small and inexpensive. Yet, in contrast with situations where the whole track may be provided with a low voltage from a single step-down voltage transformer, there will be no unusual limitations in respect to track length and/or the number of low voltage lamps that can be used with a given track. Moreover, there will be no problem with using regular high voltage incandescent lamps intermixed with low voltage lamps. For improved efficiency and reduced bulk, the frequency-conversion means placed at the head of the track is a direct-coupled rectifier-inverter combination.